## DS - 04/26/2 PLECTRONIC INFORMATION DISCLOSURE STATEMENT

#### Electronic Version v18

Stylesheet Version v18.0

Title of Invention

Medical Device System With Relaying Module For Treatment Of Nervous System Disorders

Application Number:

10/687306

Confirmation Number:

7914

First Named Applicant:

Mark Rise

Attorney Docket Number:

11738.00136

Art Unit:

3736

Examiner:

Search string:

(6641533 or 6738671).pn

#### **US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
MK	1	6641533	2003-11-04	Causey, III, et al.			
MK	2	6738671	2004-05-18	Christophersom, et al.			

## Signature

Examiner Name	Date
/Michael Kahelin/	09/26/2006

PTO/SB/08a (08-03)
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

	Complete if Known	
Application Number	10/687,306	
Filing Date	October 15, 2003	
First Named Inventor	Mark T. Rise	
Art Unit	3736	
Exeminer Name	TBD	
Attorney Docket Number	011738.00136	

			U.S. PATENT D	OCUMENTS		
Examiner Cite No.'		Document Number  Number - Kind Code <sup>2</sup> ( <i>it known</i> )	Issue/Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passeges or Relevant Figures Appear	
MK		US- 3522811	08/04/1970	Schwartz et al.		
1		US- 3850161	11/26/1974	Saul Liss		
		US- 3863625	02/04/1975	Viglione et al.		
		US- 3967616	07/06/1976	Sidney A. Ross		
		US- 3993046	11/23/1976	Femandez et al.		
1		US- 4019518	04/26/1977	Maurer et al.		
	1	US- 4038538	07/26/1977	Paul L. Feintuch		
	1	US- 4295474	10/20/1981	Robert E. Fischell		
1	<u> </u>	US- 4373527	2/15/1983	Robert E. Fischell		
		US- 4417592	11/29/1983	John E. Roy		
	<u> </u>	US- 4566464	01/28/1986	Piconne et al.		
1		US- 4581758	04/08/1986	Coker et al.		
	1	US- 4610259	09/09/1986	Cohen et al.		
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1	1	US- 4944299	07/31/1990	Sergiu Sulvian		
		US- 5311869	05/19/1992	Nappholz et al.		
		US- 5269303	12/14/1993	Wernicke et al.		
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		US- 5311876	05/17/1994	Olsen et al.		
	1	US- 5335657	08/09/1994	Terry Jr. et al.		
1	1	US- 6473639	10/24/2002	Fischell et al.		
1	1	US- 6480743	11/12/2002	Kirkpatrick et al.		
		US-6560488	05/06/2003	Osorio et al.		
	1	US- 6591138	07/08/2003	Ficshell et al.		
<u> </u>	1	US- 6597954	07/22/03	Pless et al.		
1	1	US- 6647296	11/11/2003	Fischell et al.		
$\Delta$	1	US- 2002/0013614	01/31/2002	David L. Thompson		

Examiner Signature	Date Considered	

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Substitut	e for form 1449A/PT	0		Complete if Known		
				Application Number	10/687,306	
INFC	RMATION	DIS	CLOSURE	Filing Date	October 15, 2003	
STA	TEMENT B	Y A	PPLICANT	First Named Inventor	Mark T. Rise	
				Art Unit	3736	
	(Use as many sh	eets as	necessary)	Examiner Name	TBD	
Sheet	2	of	4	Attorney Docket Number	011738.00136	

		Document Number		Name of Patentee or Applicant of	Barrier Lines Marie Bolome	
Examiner Initials *	Cite No.	Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Cited Document	Pages, Cotumns, Lines, Where Relevan Passages or Relevant Figures Appear	
MK		US- 5487754	01/30/1996	Snell et al.		
		US- 5626145	05/06/1997	Clapp et al.		
		US- 5683422	11/04/1997	Mark T. Rise		
		US- 5713922	02/03/1998	Gary William King		
		US- 5713923	02/03/1998	Ward et al.		
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1	1	US- 5720770	02/24/1998	Nappholz et al.		
		US- 5743860	04/28/1998	Hively et al.		
		US- 5752976	05/19/1998	Duffin et al.		
$\neg$	1	US- 5792186	08/11/1998	Mark T. Rise		
	<u> </u>	US- 5978702	11/02/1999	Ward et al.		
_		US- 5995868	11/30/1999	Dorfmeister et al.		
	<b>†</b>	US- 6016449	01/18/2000	Fischell et al.		
	<u> </u>	US- 6018682	01/25/2000	Mark T. Rise		
	1	US- 6066163	05/23/2000	Michael Sasha John		
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		US- 6094598	7/25/2000	Elsberry et al.		
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_	<u> </u>	US- 6128537	10/03/2000	Mark T. Rise		
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1		US- 6230049	05/08/2001	Fischell et al.		
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	1	US- 6353754	03/05/2002	Fischell et al.		
	1	US- 6356784	03/12/2002	Lozano et al.		
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<u>.                                     </u>	1	US- 6466822	10/15/2002	Benjamin D. Pless	_	
$\mathbf{W}$	1	US- 6473639	10/24/2002	Fischell et al.		

Examiner Signature	Date Considered	

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Substitute	e for form 144	B/PTO		1	Complete if Known	
INFORMATION DISCLOSURE		Application Number	10/687,306			
				Filing Date	October 15, 2003	
STATEMENT BY APPLICANT				First Named Inventor	Mark T. Rise	
				Art Unit	3736	
	(Use as ma	ny sheets as	necessary)	Examiner Name	TBD	
Sheet	3	of	4	Attorney Docket Number	011738.00136	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
MK	Alan V. Oppenheim & Ronald W. Schafer, Digital Signal Processing, Prentice Hall, Inc., Englewood Cliffs, New Jersey, pg. 18-24, 1975.		
		Gotman J., & Gloor, P., "Automatic Recognition and Quantification of Linterictal Epileptic Activity in the Human Scalp EEG", Electroencephalography and Clinical Neurophysiology, 41:513-529, 1976.	
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		H. Qu & J. Gotman, "A Seizure Warning System For Long-term Epilepsy Monitoring", 45 Neurology 2250, 1995.  J. Gotman, "Automatic Recognition of Epileptic Seizures in the EEG", 54 Electroencephalography and Clinical Neurophysiology at 530-540, 1982.  Lapkin et al., "The Electroencephalogram in Childhood Basilar Artery Migraine 27Neurology 580-583, June 1977.	
		Murro et al., "Computerized Seizure Detection of Complex Partial Seizures", 79 Electroencephalography and Clinical Neurophysiology 330-333, 1991.	
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$\downarrow$		Grassberger, Peter et al., "Characterization of Strange Attractors" Vol. 50, No.5., The American Physical Society, January 31, 1983.	

Examiner	Date	
Signature	Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

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	INICO	DALATI	ON DU	col ocupr	Application Number	10/687,306		
	INFORMATION DISCLOSURE				riling Date	October 15, 2003		
	(Use as many sheets as necessary)			APPLICANT	First Named Inventor	Mark T. Rise		
					Art Unit	3736		
				is necessary)	Examiner Name	TBD		
$\overline{}$	Sheet	4	of	4	Attorney Docket Number	011738.00136		

	<del>,</del>	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
MK		lasemidis, L. D. and Sackellares, J. C. "Chaos Theory and Epilepsy". The Neuroscientist, 2:118–126, 1996. <a href="mailto:retrieved from http://citeseer.ist.psu.edu/iasemidis96chaos.html">retrieved from http://citeseer.ist.psu.edu/iasemidis96chaos.html</a>	
MK		Elger, Christian E., et al., "Short Communication: Seizure Prediction By Non- Linear Time Series Analysis of Brain Electrical Activity" European Journal of Neuroscience, Vol. 10, pgs. 786-789 (1998)	
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		Quebec. H3A 2B4 (Canada)	
MK		Vachtsevanos, G.J., et al. "Neuro-Fuzzy Approaches to Decision Making: A Comparative Study With An Application to Check Authorization" Journal of Intelligent and Fuzzy Systems, Vol. 6, pgs. 259-278 (1998)	
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<u>-</u>			

Examiner /Michael Kahelin/	Date Considered	09/26/2006
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

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Attorney Docket Number

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number 10/687,306

Filing Date October 15, 2003

First Named Inventor Mark Rise

Art Unit 3736

Examiner Name Not assigned

011738.00136

(Use as many sheets as necessary)

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Substitute for form 1449A/PTO

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**U.S. PATENT DOCUMENTS** Name of Patentee or Applicant of Cited Document Document Number Pages, Columns, Lines, Where Relevant **Publication Date** Examiner Cite No. MM-DD-YYYY Passages or Relevant Number - Kind Code<sup>2</sup> (if known) Figures Appear US-5,113,869 05/19/1992 Napholz et al. MK US- 5,720,770 02/24/1998 Napholz et al. 05/19/1998 Duffin et al. US- 5,752,976 US- US 2002/0013614 01/31/2002 Thompson US-US-US-US-US-US-US-US-US-US: US-US. US-US-US-

	FOREIGN PATENT DOCUMENTS						
Examiner Cite No.1	Cito	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,		
	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>6</sup> (if known)	Date Applicant of Cited  MM-DD-YYYY Document	Where Relevant Passages or Relevant Figures Appear	T <sup>©</sup>			
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Examiner Signature	/Michael Kahelin/	Date Considered	09/26/2006

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# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE (Attorney Docket No. 011738.00136)

In re U.S. Patent Application of Rise, et al.	)
Application No. 10/687,306	) Group Art Unit: 3736
Filed: October 15, 2003	) Examiner: Unassigned
For: Medical Device System With Relaying Module for Treatment of Nervous System Disorders	) Confirmation No. 7914 ) )

#### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

#### Dear Sir:

Pursuant to 37 CFR §§1.97 and 1.98, the Applicant filed Information Disclosure Statements on April 27, 2004 and May 11, 2004 for the above-identified application.

This Supplemental Information Disclosure Statement is being submitted to advise the Commissioner of the following related co-pending patent applications:

10/687,133	MK	10/687,348	MK	10/687,570	MK
10/687,135		10/687,389		10/687,571	
10/687,289		10/687,557		10/688,214	$\Psi$
10/687,290		10/687,566			
10/687,344	V	10/687,567	$\forall$		

Each of the above-mentioned patent applications was filed on the same date of October 15, 2003 and claims the same priority dates of October 15, 2002 and September 19, 2003.

Dated: June 18, 2004

Respectfully submitted,

Ву:

Kenneth F. Smolik Registration No. 44,344 BANNER & WITCOFF, LTD. 10 South Wacker Drive

Suite 3000

Chicago, Illinois 60606 Telephone: 312-463-5000 Facsimile: 312-463-5001

/Michael Kahelin/

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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of Sheet

	Complete if Known					
Application Number	10/687,306					
Filing Date	October 15, 2003					
First Named Inventor	Mark Rise	_				
Art Unit	3736					
Examiner Name	Not assigned					
Attorney Docket Number	011738.00136	$\supset$				

			U.S. PATENT	DOCUMENTS	
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Initials *	No.'	Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY		Passages or Relevant Figures Appear
MK	<u> </u>	US-3,918,461	11/11/1975	Cooper	
MK		US- 5,995,868	11/30/1999	Dorfmeister, et al.	
MK		US- 5,713,923	02/03/1998	Ward, et al.	
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C TRADEN

Complete if Known **Application Number** 10/687,306 Filing Date October 15, 2003 First Named Inventor Rise **Group Art Unit** 3736 **Examiner Name** Unassigned 011738.00136 Attorney Docket Number

(use as many sheets as necessary)

Sheet

	U.S. PATENT DOCUMENTS						
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant		
Initials *	No.1	Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear		
MK		US-6,385,486	05/07/2002	John, et al.			

		FOREIGN PA	TENT DOCUM	ENTS		
Fuanina	Cito	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
Examiner Cite Initials* No.1		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Passages or Relevant Passages or Relevant Figures Appear	Ť⁵	
MK		WO 97/00708	01/09/1997			
MK		WO 99/45516	09/10/1999			
MK		WO 01/37724	05/31/2001			

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т 2			

Examiner Signature	/Michael Kahelin/	Date Considered	09/26/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional) . <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.



### **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18 Stylesheet Version v18.0

> Title of Invention

Medical Device System with Relaying Module for Treatment of Nervous System Disorders

Application Number:

10/687306

Confirmation Number:

7914

First Named Applicant:

Mark Rise

Attorney Docket Number: 011738.00136

Art Unit:

3736

Examiner:

**Unassigned Unassigned** 

Search string:

( 4471786 or 5113869 or 5752976 or 6200265

or 6083248 or 5304206 or 6385479 or 20020091335 or 20020123672 ).pn.

<u>Certification:</u> This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

#### **US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
MK	1	4471786	1984-09-18	Inagaki			
	2	5113869	1992-05-19	Nappholz			
	3	5752976	1998-05-19	Duffin			
	4	6200265	2001-05-13	Walsh			
	5	6083248	2000-07-04	Thompson			
	6	5304206	1994-04-19	Baker			
V	7	6385479	2002-05-07	Sibbitt			

## **US Published Applications**

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
MK	1	20020091335	2002-07-11	. John			
MK	2	20020123672	2002-09-05	Christophersom			

## Signature

Examiner Name	Date	
/Michael Kahelin/	09/26/2006	